

Atty. Dkt. No. 047711-0319

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Rajiv SHAH et al.

Title: HIGH RELIABILITY
MULTILAYER CIRCUIT
SUBSTRATES AND METHODS
FOR THEIR FORMATION

Appl. No.: 10/671,996

Filing Date: 9/26/2003

Examiner: Not Assigned

Art Unit: 2814

<p>CERTIFICATE OF MAILING</p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.</p> <p><u>Jose Ramos</u> (Printed Name)</p> <p><u>[Signature]</u> (Signature)</p> <p><u>April 16, 2004</u> (Date of Deposit)</p>

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), before the mailing date of the first Office Action on the merits.

RELEVANCE OF EACH DOCUMENT

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

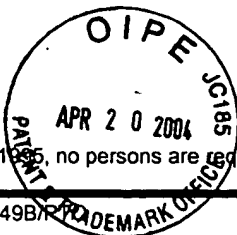
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Date: April 16, 2004
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Respectfully submitted,

By: 

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Attorney for Applicant
Registration No. 32,933



MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449B/P

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: April 16, 2004

(use as many sheets as necessary)

Complete if Known

Application Number	10/671,996
Filing Date	9/26/2003
First Named Inventor	Rajiv SHAH
Group Art Unit	2814
Examiner Name	Not Assigned
Attorney Docket Number	047711-0319

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	A1	DR. J. PRYMAK; DR. S. BHATTACHARYA & PROF. K. PAIK-Fundamentals of Passives: Discrete Integrated, and Embedded (CH. 11)-Fundamentals of Microsystems Packaging, 2001.	
	A2	T. REMMEL; P. ZURCHER; M. KIM; M. MILLER; M. RAYMOND; S. STRAUB; M. TARABBIA; R. STEIMLE & P. CHU-Integration of Thin-Film Capacitors and Resistors into ULSI Technology for Wireless Applications -Passive Component Industry, Jan/Feb, 2001.	
	A3	CH 6 - Thermal Transducers-Micromachined Transducers Soucebook.	
	A4	J.J. LICARI-Thin and Thick Films (CH 8)-	

Examiner
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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